

516, 863

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



Rec'd PCT/PTO 03 DEC 2004



(43) International Publication Date
29 January 2004 (29.01.2004)

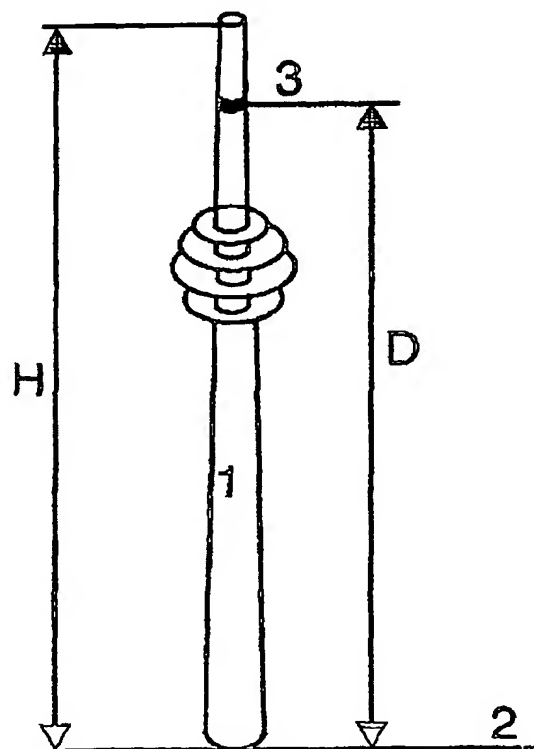
PCT

(10) International Publication Number
WO 2004/010724 A1

- (51) International Patent Classification⁷: **H04Q 7/36**,
H01Q 9/34
- (21) International Application Number:
PCT/EP2003/008064
- (22) International Filing Date: 18 July 2003 (18.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
102 33 172.3 22 July 2002 (22.07.2002) DE
- (71) Applicant (for all designated States except US): **KONINKLIJKE KPN N.V.** [NL/NL]; Stationsplein 7, 9726 AE Groningen (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KLOMP, Martin**, Willem [DE/DE]; dr. Merckenschlagerstrasse 65, 91174 Spalt (DE). **HERBERT, Germar, Jochem** [DE/DE]; Wolkersdorferstrasse 105, 90455 Nürnberg (DE).
- (74) Agent: **WUYTS, Koenraad, Maria**; Koninklijke KPN N.V., P.O. Box 95321, NL-2509 CH The Hague (NL).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**
— of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: TELECOMMUNICATIONS RADIO SYSTEM FOR MOBILE COMMUNICATION SERVICES



(57) **Abstract:** The invention relates to a telecommunications radio system for mobile communication services. More specifically, the invention relates to covering large sectorized areas for mobile communication services.

WO 2004/010724 A1

WO 2004/010724 A1



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.